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A very proper treatise,

wherein is briefly sett forth
the arte of Limming, which teacheth the order
in drawing & tracing of letters, binets, flowers, armes
and Imagery, & the maner how to make sundry lises or
grounds to laye siluer or golde vpon, and how siluer or
golde shalbe layed or limmed vpon the lise, & the waye
to temper golde & siluer and other mettalles and diuerse
kynnes of colours to write or to limme withall vpon
belemn, parchement or paper, & howe to lay them vpon
the worke which thou entendest to make, & howe to
bernish yt when thou hast done, with diuerse other
thinges very mete & necessary to be knowne
to all suche Gentlemenne, and other
persones as doe delite in limming,
painting or in tricking of armes
in their right colors, & therfor
a worke very mete to be
adjoined to the bookes
of Armes, neuer
put in printe
before this
time.
(:)

Imprinted at London in Flete
strete within temple Barre at the
signe of the Hande & starre
by Richard Tottill.
An. 1573.

Cum Priuilegio.

Avery Properties

1000 Broadway, New York, N.Y.

Dear Sirs: We are pleased to advise you that your application for a lease on the premises located at 1000 Broadway, New York, N.Y., has been approved. The lease is for a term of five (5) years, commencing on the first day of January, 1940, and terminating on the first day of January, 1945. The monthly rent is \$100.00, payable in advance on the first day of each month. The lease is subject to the terms and conditions set forth in the lease agreement attached hereto. A copy of the lease agreement is being furnished to you for your review. If you have any questions, please contact the undersigned.

Josiah H. Benton, Jr.

Mar. 12, 1940

1000 Broadway, New York, N.Y.

Very truly yours,

Josiah H. Benton, Jr.

1000 Broadway, New York, N.Y.

Enclosure

1000 Broadway, New York, N.Y.

(1)

Produced at London in 1940

These words are the words of the Bible

and are the words of the Bible

of the Bible

1940

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The order of drawing or tracing.



First thou shalt with a pencell of blacke lead, or with a cole made sharpe at the poynte trace all thy letters, and sett thy binetts or stoppes, and then thy Imagery yf thou wilt make any. And then shalt thou with a small pen drawe all yf thou hast portretted, then make thy life on this wise

To make a double fyse or bottome to laye or settle silver or goulde vpon called an embossed ground.

Take bennys cereuse, white lead, the plasse of an old image or chalke, any of these made in fine powder, and then the ground with the glayre of an egge and a litle water on a painters stone maketh a good bottome to laye vnder silver. But when you shall vse any of them to laye vnder golde, doe to yt a litle saffron therewith to make yt some what yellow. But beware you put not too much water thereto, so then will yt be ouer weake, and yf you doe ouermuch glayze to yt, then will yt be ouer stiffe, therefore mingle it after discretion, and looke thy life be thicke standing, and sett the life thus tempered & couered in a horne or a shell in some seller or shadowyd place, or vnder the earthe where it maye stand moyste by the space of vij. daies vntill it be perfecte clammy & rotten, & euerye daye once stirre it about, & you shall wel vnderstand that al the times the elder they be & the moze clammy, & rotten they be, the better they be, so all the crafte is in well making & tempering of the life, and if there stand any belles vpon the life, put in eare ware, so it ys a remedy therfore, and before you laye it on your worke, first lay the life on a scrow

The arte of limming.

and dye it, and when it is dye, bend it, and if it bend, & breake not, then is it good and perfecte, & if it breake put thereto a litle water to make it weaker, and proue if it cleueth fast to the booke, & if it do not, then put glaire there to, and make it moze stedfast. The like sise maye you make with Gypsum boole Armonitake, red or yellow skir oymint or masticot with broluue of Spaine or with red leade if euerye of them be ground by him selfe & tempered and ozdred in maner & sozme aboue wzritten.

¶ To make a thinne sise or bottome to laye or settle siluer or golde vppon called a single grounde.

Take the netwe threds of glouers leather or of netwe parchemēt soz that is best, and seeth them in saire water from a quarte to a pinte that the liquo2 be somewhat thicke and clammie betwene your fingers, then strainz the liquo2 from the threds, and put it being hote in some stone bestell and soe worke it furth befoze it be colde, and when you lay on your siluer or golde, see that your syse be nether to moisse noz to dye, but in a meane betwene both soz dreade of appayzing your worke. The like sise maye you make (without heating them at the fyze) of gluc water made of parchemēt glue soz that is best, or with water gūmed some what thick with gumme arabecke or of good olde glaire, or with the milke of grene figges alone, or with the milke of spourge, or of wartwede, or with the yellowe milke of grene salendine, or with the suce of garlike or of onyon heades or with the water and greafe of snalles. Vppon euery of these maye you laye your leaues of siluer or golde hauinge regarde that your grounde be nether to moyste noz to dye, when you shall laye or settle the same therebpon.

¶ To laye a dooble syse on letters or vppon other thinges.

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You shall with a pencell made of graye anys or call-
ber taitles laye on thy syde somewhat substantially or if
thou wilt first thinne and after thicker, and then dye it, &
whē it is dye wot it lightly with thy spittle, & then shawe
it with a sharpe knife vntill it be euen without hilles, and
yf there fall any default therein, or else there is more in
one place then in another, laye againe thy syde on it, and
dye it & engrosse it as is saide befoze & whē it is engrossed
& made plaine thē burnishe it with the toothe of a talse, of
an ore, or of an horse that is made therefore standing in a
crooked sticke, and when it is burnished and made euen
and shining, then is it readye to laye on it thy golde or
thy siluer.

¶ To laye golde or siluer on sife.

Firste cut the leanes of golde or siluer in peces with a
sharpe knife or a knife made of a great reede vppon a
litle bozde as bozade as a trencher couered with a calues
skin rayled or vnderstuffed with wolle or flore or else vns-
tuffed, then shalt thou with a pencell wette lightly on
thy mouthe wette thy syde, so it be a litle moyste, and then
wette thy pencell again in thy mouthe on the same wise,
and touche thy golde or siluer that thou haste cut by a cor-
ner lightelye, and laye it on thy sife, befoze made a litle
moyste, and then thou shalt take the taile of an hare, of a
conney or a pece of cotten & lightlye presse it downe on thy
sife, & when thou haste thus done let it dye vntill it be wel
dyled, then burnishe it: soz if thou shalt burnishe it wette
thou shalt rubbe of all, and when it is well dyled, take
the tusk that thou doste burnishe with and dye it & heat
it well on thy cheke, then burnishe thy golde first softlye,
and then harder vntill it shine, but burnishe it not ouer
louge, soz dreade of apparinge. And when thou haste
well burnished it, then take a white wollen clothe or an

The arte of limming.

hares foote, and rub all awaye, saue it which cleueth to the sife, & if ther be any place saltie, so that the golde falle so: dyenes of the sife, then wet it againe and laye on the golde, & dye it and burnish it as you did befoze.

¶ To make gumme water to temper colours with all.

Take cleue water, & do it in a vessell & put thereto a portion of gūme Arabecke & let it stand vntil the gūme be well desolued & molten in the water, but looke it be not ouer thicke of gūme, so: then it is euill to worke with, & if it be to thinne of gūme then will the coloure fade & fall of, therfore kepe a meane & temper thy coloures therew, such as it serueth so: best. Note the best gūme is clere and brittle & in stamping it, it becometh pouder easely without cleuing togither.

Nota.

¶ To make glaire for the like purpose.

Take the whyte of newe laide egges as many as you thinke good, and straine them throughe a linnē clothe to take out the cocke treadings, the put them in a dish and winge the throughe a sponge o: a white wollē clothe vntill they be as thinne as water, then washe the sponge o: clothe & dye it. And put the glaire to thuse afozesaide in a stone pott o: a glasse faste stopped, and spend it as soone as you can, so: yt will not kepe aboue threē dayes, but it wil haue an ill sauoz excepte they be ordered as foloweth.

¶ To kepe whites of egges as longe as you wil without corrupting o: putting of Arsenicke to them.

Take the whites of egges not breaking them in anye wise, but take out the recketreading, and put to them as much of the best white vineger as shall suffice the quantity of

litle of the whites, leuing it so the space of two daies, then passe it throughe some linnen clothe without breaking oz beating the white of the egges leauinge it so the space of viij. dayes, then straine it againe and put it in a biall well stopped, to occupie for the purposes aboue witten.

¶ To temper golde or siluer wherewith you may write with a pen oz painte with a pencell.

TAke five oz six leaues of beaten golde oz siluer, and grinde them well & finely on a painters stone with a litle honnye, then put it into a glasse with a quantitie of faire water, & let it stande one night, then draine the water & the honnye afterwarde from the golde, & put to the golde gume watter, & then write with it, and when it is dnye burnish it with an ore toothe, also if you grinde your leaues of golde with glaire onelye without honnye putting to it you maye well write therewith in adding to it a litle gume water, & with your gold tempered in manoz abouesaide you maye diaper with a small pen oz pencell vppon colours. If you will buye at the Potecaries shell golde oz shell siluer, with the which (being tempered with gume watter) you maye verye well write with a pen, oz painte with a pencell.

Golde and siluer.

Diaper.
Shell golde
and shell siluer.

¶ To temper azure or byze.

GRinde azure oz bize on a painters stone with clene water then put it in a broade glasse oz in a broade shell, & when it hath stand a while all the dregges will flete aboue, and all the clene coloure will fall to the bottome, then poure out the water with the dregges, & put the azure in clene water againe. When sturre the coloure & the water together, & let it stand & fine, & after that poure out the water & the dregges againe, and doe thus vntill it be well purged & clarified, for the Potecaries minge chalke therewith;

Azure or lighte blew for armes.

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With to multiplie it to there profit, but thus you muste do to clarifie it to the first kinde if nede be, the shal you grind it again bpon a painters stone with gummed water, the put it into a hoine or a shell, and when you will wyte or painte. Then sturre it with a sticke, & let the sticke drop into the pen, for vermelson & this colour will fall to the bottome & sincke as leade.

This false coloure, Two parts azure and one of ceruse and sadded with the same azure or with blacke incke, or with Indebauidias.

¶ How to make azure and bize sadder yf they be of a lighte coloure.

Take good blewe tournesoll & wet it in gumme water and then wyng it, and with that water temper the azure or bize, or else yf thou wilt thou maye with a pen cell drawe with thy turnesoll over the bize when it is drye whether it be vinct or imagery.

¶ To temper Indebauidias.

An Indian
blacke.

Grinde Indebauidias on a painters stone, with gumme water, & put it in a shell to worke with all.

This false coloure, Two partes Inde, & the thirde pte white leade or ceruse and sadded with the same Inde or with sad Inke Indebauidias of it selfe maketh a darke & sad blacke, but being grounde with white leade or ceruse as is afoze saide it maketh a browne blewe.

Browne
blewe.

¶ To temper smalte or florrey.

Blewe co-
lour.

Smalte or florrey being tempered in a shell with gumme water maketh a blewe, but not so perfecte a coloure as azure or bize dothe make. The Potticaries doe put to it ofte times fine sand or chalke to multiplie it to there profit, there

fit. Therefore in chusing of it, take that which is bright of colour, and not harsh, but soft betwene the fingers.

¶ To temper Orpiment or Masticot
for a yellowe.

Grinde Orpiment and Masticot eche by it selfe on a Painters stone with Gumme water, & in gryndinge adde to the Masticot a litle Saffron, and the colour wil be the liuelier: and when they be wel ground, put them severally in shelles to worke withal.

A gold yellowe for armes.

Orpiment may be elayed with Chalke, and dimmed, that is to say, sadder, or darked with Oker de Luke, or with Brovone of Spaine.

¶ To temper Vermelion.

Grinde Vermelion on a Painters stone, firste drye, & the do therto a litle glayze of egges, & grinde it a gaine, vntill the brightnesse be fordonne, with a litle of the pelke, and let it stand a day or more, vntill it be wel fyned. And when thou dost worke therewith, stirre it well together, and if it be thicke as lyme, doe a litle water thereto: and if it shall haue an ill sauour, then put into it three chyues of Saffron, and it will take awaye the euil sent.

A Vermelion redde for armes.

This false colour, two parts Vermelion, and the third parte Cerius, and mingle them together, if thou wilt, with the same vermilion. *and see it not brovone.*

¶ To temper Turnesoll,

Wette Turnesoll once or twice, in good thinne glere and let it lye therein vntill it be well steeped. Then wringe it into a dishe, vntill the colour be good & sadde. With this you may slozithe redde letters, or bestures.

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And this colour shalbe enelwed (that is to say) darked or sadded with blacke ynke.

His false colour, two partes Turnesoll, & one of Cerius, and it shal be sadded with the same Turnesoll.

¶ To temper good Roset.

Roset color **T**Ake the finest & beste coloured Roset, and grinde it with gumme water on a Painters stone, & so worke it forth. This colour may be elayed with chalke or Cerius, and sadded with him selfe.

¶ To temper Brasill wherewith to write, flozithe, or rule bookes.

Brasill, **T**Ake Brasill finely scraped, or grossely beatē to poulder, and put thereto the glayze of an egge, or gumme water, and a litle Alam made in poulder, and lett them sleepe a night and a day: and then straine out the liquoz, and keepe it to the vse aforesaid.

¶ To temper good Synapour.

Bloudy colour. **G**Kind Synapour lake, & Synapour topes ech by him selfe on a Painters stone with good glayze. The put them in seueral shelles, & worke them forth: and if they be too light, put to them a litle Turnesoll.

His false colour two partes Synapour, and a thirde of Cerius, and laye it on thy Vinettes, and when it is drye, sadde it with good Synapour, and diaper ouer it with white Cerius.

¶ To temper redde Leade.

Redd leade **G**Wynde redde Leade well with gumme water, and then put it in a shell: and when you worke with it, stirre

Stirre it as you doe Vermelion.

Of this you shal make no false coloz, but of him selfe, and sadde it with Synapour, or with good Browne of Spaine, or with light blacke, or with Vermelion.

¶ To temper blacke Leade.

Grinde well blacke Leade with gumme water on a Painters stone, and then put it in a shell to worke withal. This is a perfite Crane colour of it selfe. Crane colour.

¶ To temper Browne of Spaine.

Grind good Browne wth gumme water on a Painters stone, & when it is very wel ground put it into a shell. This false coloz two parts Browne, & the third part of white Leade, & sadded with y^e same sad coloz of browne. Browne colour.

¶ To temper Oker de Luke & Oker de Rouse, which make browne colours.

Oker de Luke, and Oker de Rouse shal firste be severally broken in a brasen mortar, & after ground ech by him selfe on a Painters stone with gumme water, & mixed with a litle Chalke, and enelwed or sadded with good Oker, or with Browne, either of them maketh a good colour for heare on heades, or on beardes. Good colours for heare.

¶ To temper greene Byze-

Take greene Byze that is soft, and not harsh betwene the fingers, for if it be harsh, it is mixte with sande, whiche the Apothecaries do vse oftentimes to multiply it to their gaine. And temper it in a shell with gumme water, and it wilbe perfite to worke withall. And when you write, stirre this colour as you do Azure, and wash it, and dresse it in forme aforesaide: as you doe your Azure, befoze you grinde it with gumme water. Greene Byze.

The arte of limming.

¶ To temper Vertgrese, called Spanishe greene.

An Eme
raud greene
for armes.

TAke Vertgrese well cleansed and piked from drosse and moles, and grynde it on a Paynters stone first drie, and put thereto a litle of the gall of a Peate, & of the ioyce of Rue, with a litle Safron, & braye all these together on the same stone. Then put it in a horne, or shell vntil it be dry. And when you wil occupie it, take part thereof and grinde it againe with vineger or bergis, or with the pisse of a yong childe, euery of them hauinge gumme Arabike dissolved in them.

Light grene

His false colour two partes, good greene, & the third of Cerius, and sadded with a good greene, and Diaper ouer it with Vennis Cerius.

¶ To temper Safron.

Saffron.

Teepe Safron in good glayze, and so worke it forthe wth a smal p^{en}sel. And if thou wilt thou maist enche it wth Good Vermelion, with Safron also you may enche or florish ouer letters, or any other thing thou wilt.]

¶ To temper Vennis Cerius, and white Leade.

A pure whit
for armes.

Rynde Cerius, or white Leade, eche by him selfe on a Paynters stone, with cleare water, and therewith thou shalt diaper and florish above all thy colours with a purfelour made of a small pensell. And this colour is tempered onely with water, or with water lightly charicid with gumme, for they stand above al other colors that be gummed.

A Sable or
blacker for
armes.

¶ To make a Fume blacke called Sable.

TAke a cleane Lattin bason, and holde a burnynge forche vnder it, vntil the bottome be blacke: and the
take

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take of that blacke, and temper it with glayze, or with gumme water, and so worke with it.

¶ To make an excellent blacke like Veluet.

Take Hartes hozne, and burne it to cole on a Coliars barth, then make fine powder thereof, and grinde it on a Painters Stone, with the gal of a Peate. Then put it in a shel to drye in a shadowy place. And whē you wil occuppe the same, grynde parte thereof againe with the glayze, or with gumme water: and worke it forthe.

¶ To make a blacke colour, or an ynke of a good perfection, wherewith you may wryte with a penne or pensel.

Take a pounce and a halfe of rayne water, with three unces of the waight: it galles you can gette. Bruise them in smal pieces, and poure them into the saide water, and so let it stand two daies in the sunne. Then put to it two unces of greene Copozas, or els of Romayne Astrial, whiche is beste, well coloured and beaten smal: and stirre al these together with a sticke of hard woode, and let it stande againe two daies moze in the sunne, puttinge to it one unce of gumme Arabike, that is clere and bzight, and beaten in poulder, and one unce of the peeles of Pomegranades, and then boyle al a litle on a slowe fire. That donne, straine it, and keepe it in a vessel of leade or of glasse, and it will be very blacke and persute good ynke. And if you finde it thicke, and that it bee not flowinge yenoughe, putt to it a litle cleare lye, whiche will make it liquide and thinne. And if it be too cleare, adde to it a litle gumme Arabike. And to haue your ynke to continue longe, and not to hoze, put therein bay salte. Note that the galles must be smal curled,

A veluet blacke.

Black ynke.

The arte of limming.

and massine within, if they be good. The good Vitriall is alwaies within, of a coloz like the element. The best gumme is cleare & brittle, that in stampinge it becometh pulder easily, without cleauing together.

Nota

Thus is taughte the waye holwe to temper Goulde, Syluer, and Colours to lymme, or to wryte withall vpon velym, parchemēt, or paper. That is to say, Vermelion, Turnesoll, Synapour, and Saffron, with good glayze. Syse with glayze chasticed with a portion of water, Azure, Wyze, greene Wyze, red Leade, roset Smalt, black Leade, Browne, Oker, Dypment, Pasticot, and Indebaudias with gumme water, Wertgrese with vineger, bergys, or with the pisse of a yonge childe, Cerius and white Leade, with cleare water, or with water lightly gummed, Basill, and Fume blacke with glayze, or w gumme water, which you thinke best for your purpose.

Nota.

Also there is an other way which is vled amongst y excellent sort of Painters, that is, to grind & temper al colozs for limming (sauing such as be white) first w y gall of a Peate, & then let the dry, & after whē you wil work them, take part therof, & grind it againe w glayze, or w gumme water, as the colour requireth, and so worke it forth. It is said, that water killeth & darkeneth y brightnes of most colozs that be tempered therewith. But this gal preferueth y brightnes, & maketh the moze liuelier to beholde: which thing experience wil teach you moze perfittly.

Nota.

Note y al colours to limme or to wryte withal should neuer be tempered with any kind of oyle, for oiles serue most aptly for to temper colozs to lay vpon stone, timber, yron, lead, coper, & such like. And oyle of Linseed, which is called flaxe seed, & oyle of walnuts are most vled, & be most best of al other oyles for the same purpose.

Also al colozs to limme or wryte withal whē they be tempered, would be put in shelles, in vessels of stone, lead or of glasse, & kept vnder y ground in some seller, or in some

some moyst or shadowy place, for drying ouer fast: and y^e elder they be the better they be, if they be kept couered from filth & dust. And note y^e there is great regard to be had to y^e wel grinding & sepieng of the colours, & to the placing of them vpon the worke.

¶ The maner how to florische or diaper with a pensel ouer siluer or goulde.

If you wil diaper ouer gold, take yellow Oker, & therewith draw ouer thy gold with a pensel what thou wilt.

If thou wilt diaper vpo siluer, take Cerius wth a pensel and draw or flozish what thou wilt ouer thy siluer.

If thou wilt diaper with gould or siluer vpon colozs, take the ioyce of garlike, with a pensel draw ouer thy colozs what thou wilt. Then take an^d lay the gold vpon it, and presse it downe lightly with an Hares taylor. & let it dry halfe a day or moze. Then rubbe of the golde which cleueth not to the garlike.

¶ The waies howe to make sundry kindes of colours by tempering & mingling of colozs together.

If you will temper Azure with Turnesoll, and grinde Purple, or them together on a Painters Stone with gumme water or glayze, you shal make thereof a perfit Purple or a Violet colour. And the like colour you maye make with good redde Koset, if it be mingled with Azure, & tempered with gumme water in maner aforesaide.

If thou wilt put to a good quantity of Synapour, a litle portion of blacke, & grinde them together wth glayze, you shal make therof a Sanguine, or a Murrey colour.

If you will mingle a bright redde with a bright yelowe, and grinde them together with glayze, you shall haue thereof an Orenge tawney.

If you mingle redde Lead and Passicot together, you shall haue thereof a Lyon tawney.

The arte of limming.

- Incarnation and fleshly colour.** If you wil make incarnations for visages, or a fleshy ly colour for Images, firste lay on the white, and enew it with vermilion, or els take two partes of Vermilion and one of Cereuse, and mingle them together, and so laye it on thy worke, and enewe it if thou wilt, when it is dry with good Vermilion.
- Peach color** Also if you mingle Vermilion with Cereuse, by discretion you may make thereof a Peache flower colour.
- Sky colour.** Also by mingling Vermilion and Azure together, by discretion you may make thereof a Skye colour.
- Bloude red.** If you will make a bloude redde, take of the best Synapour, and sadde it at the sides with Browne, or Vermilion, or with blacke.
- Lincolne greene.** If you mingle good greene and Safron together, by discretion you shall haue thereof a perfitte Lincolne greene.
- Popiniay greene.** If you mingle Azure and Passicot together, you shall haue thereof a perfitte Popiniay greene.
- Motley greene.** If you mingle red with greene, you shall make thereof a Motley greene.
- Blacke vesture.** If you wil make a blacke vesture, take and laye firste a champe of light blacke mingled with white Leade, & sadded with good blacke.
- Marble or ashe colour.** If you wil mingle blacke with a portio of white, you may make thereof a Marble, or an Ashe colour at your discretion.
- Russet or sadd brown** If you will mingle a litle portio of white with a good quantitie of redde, you may make thereof a Russet, or a sadde Browne, at your discretion.
- Nota.** Thus by minglinge of colours, you may make them of sundrie colours, and by prouise you maie come to the perfitte knowledge, howe to make them on the beste manner.

Note

Note furth ermore that there is a certein colouring which is called Vernix that is more noble and excellent than all other colours. And so much the more excellent in that it is set aboue all colours. And as the daye becometh more light and brighte by the shyning of y^e sonne euen so all colours that are vernished do shewe furth a better glosse or luster, and become more brighte by the shyning of the same. And it is made in maner & soyme folowing.

To make a kynde of colouring called Vernix where with you may vernishe golde, siluer, or any other colour or payntinges, be it vpon be-
lym, paper, tymber, stone, leade,
copper, glasse &c.

Take Bengewyn & bray it well betwixt two papers. Then put it in a byall & powder vpon it good Aquauite that it be aboue the Bengelwyne thre or foure syngers, and let it steepe so a day or two. Then put to it for halfe a byoll of such Aquauite, fyue or sixe chyues of Saffron slenderly stamped. This done strayne it, & with a pencil vernish therewith any thing gilted which will become bright & syring drying it selic immediatly, and so wil continue the brightnes many yeres. But if you will vernishe on Siluer, then take the almon of Bengelwyne, that is to saye the white that is founde in the middelt of Bengelwyne, and dresse it with Aquauite in the foresaid maner, leauing out the Saffron. And the saide vernishe made with Bengelwyne & Aquauite onely is very good to vernishe all thinges aswel paynted as not paynted, for it maketh tables & coffers of walnuttree & hebeny to glister if it be laide vpon them, and all other lyke thinges, as woorkes of Iron, copper or tynne, gilted or not gilted, for it maketh bright, preserue, aydeth the colour & dryeth incontinent wythout taking

The arte of limming.

taking any dust or fylth, you may make it cleane wth a linnen cloth, or wth w^{yp}ping the wo^{rk}e wth a fore taylor the which is better.

To make vernix another way for the purposes aforesaide.

Take two vnce of harde massike and stamp it, & putt it into a litle newe pot, and so melt it on a soft fire, this done, put to it one vnce of the oyle of a Fyrre tree, and so let them boyle a little evermore stirring them together, but let it boyle almost nothing, for if it boyle too much the vernish wilbee too clammy, and to knowe when it is boyled ynough, put into it a hennes feather, & if it burne by & by, it is a signe that it is pfect. Then take it from the fyze, & put it into a stone pott, & kepe it well from dust: and when you will occupye it, take so much therof as will serue your tourne, & heat it a litle at the fyze, then spread it vpon your wo^{rk}e wth a pencil as thin as you may, & it shall haue a veryc faire glosse or luster, & it will drye incontinent if you shall sett it in the sonne.

¶ To make colours of all kynd of mettalles.

Take a beade of Chyffall or a Paragon stone & beate eche of them by hym selfe in a brassen mortar to fyne poulder, then grynde them dye eche by hym selfe on a painters stone vntill the poulder be very fyne & small, then grynde them again on the same stone eche by hym selfe with good glayze and lay some one of them on the wo^{rk}e wth a penne or a pencell, and when it is well dyed, then rub it ouer wth golde, or wth anye other metall, and you shall haue the same colour that the metall is of.

¶ To make letters of the colour of gould
wythout gould.

TAke one vnce of Orpiment and one vnce of fyne
Chrystall, and beate eche of them by him selfe to
poulder in a brasen moztar. Then grynde them wel to-
gether wyth glayze vpon a paynters stone, then it ys
perfect to wyte withall.

¶ To make letters of the colour of siluer
wythout siluer.

TAke an vnce of tynne, two vnces of quicke siluer,
and melt them together, then grynde them well
on a paynters stone wyth gumme water, and wypte
with it.

¶ To make white letters in a blacke
felde.

TAke the yelke of a newe layde egge and grynde it
vpon a paynters stone with faire water, so as you
may well wyte with it out of a penne, and when you
haue so done, you may with the same liquoz dralwe oz
wyte with a penne great oz small letter vpon paper oz
parchemēt, and when they be dry, then may you with
Inke blacke over the letters and paper so muche as you
shall think good. And when the blacke is thzough drye
then maye you with a white wollen clothe oz a knyfe
rubbe of all the saide letters wrytten with the yelke of
the egge, and then the letters vnderneath will appeare
all white, because they were pzeserued with the saide li-
quoz: So that you shall haue faire white letters in a
blacke felde.

¶ To make staunche graine, or a poulder to
amende the parchemēt and to
receiue Inke.

C. ij.

Take

The arte of limming.

TAke two partes of rosen & one parte of allome, and beat eche of them by him selfe in a bzaen moztter all to powder, & put the same powders togeather in a fyne lynnyn clothe & rub your bellym, parchement oz paper therwith when you begin to wzyte. And when the wzyting is dzye, you may rub it ouer againe with a whyte wollen cloth, and the letters wylbe neuer the woꝛse, but moꝛe sayꝛer & bzyghter to see to.

¶ To renewe olde & worne letters.

TAke of y best galles you can get & bzyse them grossly then lay them to steepe one day in good whyte wine This done distill them with the wyne, and with the distilled water that commeth of them, you shal wet hadsomly the olde letters with a luttie cotton oz a small pēcel, & they will shewe freshe & newe again in suche wyse as you may easely reade the ii.

¶ To take greafe out of parchement or paper.

TAke shepes burres & burne them to powder and laye the saide powder on bothe sydes the parchemēt oz paper betwene two paper bourdes & pꝛesse them by y space of two dayes oz moꝛe, and it wyl dzye & soke out all the greafe.

¶ To make red and greene sealing waxe.

Make a pound of ware & two vnꝛ of turpentyne together, & when they be well molten, take them from y fyre & put to them an vnꝛ of vermilion while it is luke warme, & stirre it well to gether in the keling, and then make it by in rowles, and in like maner shal you make greene ware by putting Vertgrese into it. Note if you will take ii. partes of rosyn & one parte of turpentyne, adding to it Vermilio, as is afoꝛesayd it maketh y better ware.

¶ A pretie deuise to take out the true forme & propozcion of any letter, knott, flower, Image or other worke. Be it printed, drawen wth a pen or pencell vpon paper or parchement wth out rasing, blotting or hurting the right paterne or picture it selfe.

TAke ople, or other licours that make smoke & burn them in a lampe, then holde ouer the lamp a sheete of cleane paper, & blacke as much of the same lyghtlye as wil receaue the ful propozcion of the worke that you do meane to take out, that done lay the blacked paper vnder the backe syde of the worke, the blacked syde v^{er}ward, laying a thyn white paper betweene the worke & it: and with a small pencell made of harde wood or of bone you shall drawe lightly ouer the letters, knott, or worke which you desire to take out, pressing it softelye. Thus doing ye shal see the very forme & propozcion of the same worke remaininge on the thin white paper. When with a small pen & ynke, you may trace & drawe ouer the worke remaininge on the white paper, that done, the ynke will sett out the very print & forme of y^e worke (as farre as you touched the same with your pencell) in euery pporcion. You may also for the same purpose (if it neede bee) blacke ouer your paper with the leye of a handle or of a lynke, or of a newe torch, or such like which is a very redy way and a perfect.

¶ Another pretie deuise to take out the true forme and propozcion of any flower Image or such like.

TAke a cleane and thin lanternne horne, & lay it vpon the letter, Image or other worke that thou wylte take out, and it will appeare thzough the horne, so as thou mayst drawe with a small pen vpon the horne

The arte of limming.

all the proportion of the woork at thine owne pleasure, such as thou lust. And when thou hast drawne it all out, then let it dye vpon the horne in the sunne, and when it is through dye, then breath vpon it twise or thryse, and then laye it dolune vpon thy booke. And then presse it dolune (the letters being next the paper) with a linnen clothe, and the same letters or woork shal remaine vpon the paper whiche thou didst drawe vpon the horne, then drawe it faire againe with blacke Inke.

¶ Here haue I taught you (besydes the temperinge of goulde, of siluer, and of colours) dyuers thinges, verie meete and necessarie to be knowne to paynters & scriueners. And nowe will I rehearse briefely all that I haue written befoze touching lymning. First draw thy woork with a pencell of blacke lead, and then with penne and Inke. Then lay thy syles for thy gould and siluer. Then ingrosse them wyth a sharpe knyfe, then wet them ouer lightly with thy pencell, then being dry burnish it with a tooth. Then wet thy size again lightly. Then touch thy gould and lay theron. Then presse it lightly with an Hares taile, then let it drie, then burnish it with a tooth, then rubbe it with a white wollen cloth or an Hares foote vntill all go of, but that which cleueth vnto the size. Then lay thy colours: First thy fawse colours and after thy sabb, then purple them about the sides with blacke Inke, then mayst thou diaper them ouer with whyte coloure if thou wylte, then vernishe them ouer wyth good old glayze, & then hast thou done all that belongeth to lymmyng. Finished

An̄ domini

1573.

The

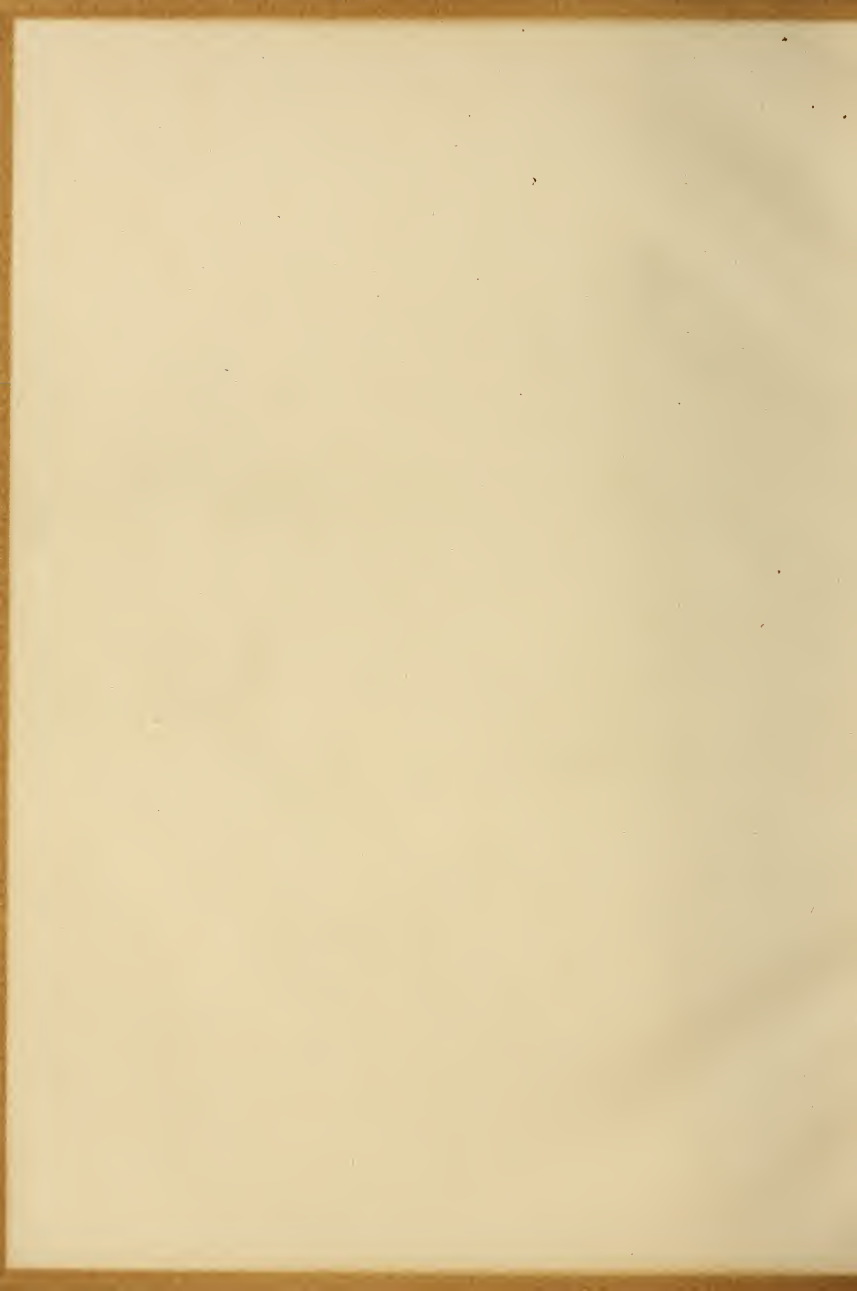
¶ The names of all suche colours & other things, as are mencioned & containd in this presēt booke of lymning, and are for the moste parte to be solde at the Apothecaries.

Gould foyle	Booll Armoniacke	Milke of greene
Syluer foyle.	Gumme Arabeck.	figges.
Shell goulde	Galles	Mylke of spurge
Shell syluer.	Greene coporas	Milke of warte-
Azure.	Romayne vytrioll	wecde
Byze	Roxen.	Mylk of Salendyne
Indebaudias	Alam	Iuce of garlyke &
Small storrey.	VVaxe.	of Onyon heads.
Orpyment	Honnye	Iuce of Rewe
Masticot	Turpentyne	Iuce of red nettle.
Vermelyon	Quicke syluer	Scraped Cheese
Turnesolt.	Tynne.	VVhyte wyne
Rosett	Pomegarnard pilliz	VVbite Vineger.
Brassyll	Christall stone	Vergis
Sinapor lake	Paragon stone	Chyldes pisse
Sinapor topias	Chalke.	Lye
Red lead.	Allabaster	Oyles and liquors
Blacke lead.	Playster of an olde	that make smoke.
Browne of Spayne	Image.	Glouers shredes and
Okir de luke.	Vnslickt lyme.	shredes of newe
Greene byze.	Poulder of white	parchement
Vertgrese.	bones.	VVater & grease of
Saffron	Poulder of shepes	snayles. Glue
Vennys Cerius	burres.	water.
VVhite leade	Netes gall.	Aquavite.
Fume blacke	VVhytes of egges	Bengewyne.
Blacke ynke.	yelkes of egges.	Oyle of lynescede
Hartes hōrne. Gip-	Cowes mylke	Oyle of walnuttes
sum.	Ewes milke.	Baysalte

A table

A table of suche thinges as be contayned in this present booke.

T	<p>Te order of drawig oz tracing. folio 2</p> <p>To make a grounde oz a tyle to lay golde oz siluer vpon codem</p> <p>To make tyles other maner of wayes</p> <p>To laye tyse on letters oz vpon other thinges</p> <p>To lay gold oz siluer on tyse</p> <p>To make gūme water to tēper colours with all</p> <p>To make glayr for the like pur- pose</p> <p>To kepe whites of egges as long as you wil without corrupting oz puttinge of arsenicke vnto them</p> <p>To temper gold oz siluer wher- with you maye write w a pen oz paint with a pencell</p> <p>To temper Azure oz byze</p> <p>To make Azure and byze redder & gladder if they bee of light colour.</p> <p>To temper Indebaudias</p> <p>To temper smalte</p> <p>To temper cryment oz mastick for a peillow</p> <p>To temper Vermillion</p> <p>To temper turnfoll</p> <p>To temper good Rolet</p> <p>To temper braypil wherwith to write, bookez oz rule bookez.</p> <p>To temper good Sinapoz</p> <p>To temper red lead.</p> <p>To temper black lead</p> <p>To tēper byze of Spayn</p> <p>To temper Phyz de Luke.</p> <p>To temper grene byze.</p> <p>To tēper vert grese called Spa- nische grene</p> <p>To temper Saffron.</p> <p>To temper Venyce Ceruis &</p>	<p>whyte leade. eod</p> <p>To make a fume blake called a Sable. eod</p> <p>To make an excellent black like veluet. 7</p> <p>To make a blacke colour oz an ynke of a good per'ecid wher with you maye write wyth a pen oz pencell. eod</p> <p>The maner how to diaper oz flo- risse with a pencel ouer gold, siluer oz colours 8</p> <p>The waies how to make sedyp kyndes of colours by tēpering & mengunge of colourcs toge- ther. eod</p> <p>To make a kynd of colouryng called berm ac. 9</p> <p>To make colours of all kyndes of mettals eod</p> <p>To make letters of the colour of golde without gold. 10</p> <p>To make letters of the colour of siluer without siluer eod</p> <p>To make whic letters in a blak fielde. eod</p> <p>To make staunche graine oz a pouldet to amende the parthe- ment, & to receiue ynke. eod</p> <p>To reue a olde and wozne let- ters eod</p> <p>To take grease out of parchent & paper. eod</p> <p>To make red oz grene scalinge waxe. eod</p> <p>The pretty deuys to take out the true forme & pr' of any of any letter, whorte, flow' or image, oz other woork, bee it printed, drawne w a pen oz pencell vpo paper oz parchement & out ra- synge, blottinge oz hurting the right paterne oz picture it self. fo. 11</p>
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